ENGLISH

User Guide

- Screen displays and illustrations may differ from those you see on an actual phone.
- Some of the contents of this guide may not apply to your phone, depending on the software and your service provider. All information in this document is subject to change without notice.
- This handset is not suitable for people who are visually impaired, due to the touch screen keyboard.
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For Your Safety

Important Information

This user guide contains important information on the use and operation of this phone. Please read all the information carefully for optimal performance and to prevent any damage or misuse of the phone. Any changes or modifications not expressly approved in this user guide could void your warranty for this equipment.

Before You Start

Safety Instructions

⚠ WARNING

To reduce the possibility of electric shock, do not expose your phone to high humidity areas, such as the bathroom, swimming pool, etc.

Always store your phone away from heat. Never store your phone in settings that may expose it to temperatures less than 32°F (0°C) or greater than 104°F (40°C), such as outside during extreme weather conditions or in your car on a hot day. Exposure to excessive cold or heat will result in malfunction, damage and/or catastrophic failure.

Be careful when using your phone near other electronic devices. RF emissions from your mobile phone may affect nearby inadequately shielded electronic equipment. You should consult with manufacturers of any personal medical devices such as pacemakers and hearing aides to determine if they are susceptible to interference from your mobile phone.

Turn off your phone in a medical facility or at a gas station. Never place your phone in a microwave oven as this will cause the battery to explode.

Safety Information

Read these simple guidelines. Breaking the rules may be dangerous or illegal. Further detailed information is given in this user guide.

- Never use an unapproved battery since this could damage the phone and/or battery and could cause the battery to explode.
- Never place your phone in a microwave oven as it will cause the battery to explode.
- Your phone contains an internal battery. Do not dispose of your battery by fire or with hazardous or flammable materials.
- Make sure that no sharp-edged items come into contact with the battery. There is a risk of this causing a fire.
- Store the battery in a place out of reach of children.
- Be careful that children do not swallow any parts such as rubber plugs (earphone, connection parts of the phone, etc.). This could cause asphyxiation or suffocation.
- Unplug the power cord and charger during lightning storms to avoid electric shock or fire.
- When riding in a car, do not leave your phone or set up the hands-free kit near to the air bag. If wireless equipment is improperly installed and the air bag is activated, you may be seriously injured.
- Do not use a hand-held phone while driving.
- Do not use the phone in areas where its use is prohibited. (For example: aircraft).
- Do not expose the battery charger or adapter to direct sunlight or use it in places with high humidity, such as a bathroom.
- Never store your phone in temperatures less than -4 °F (-20 °C) or greater than 122 °F (50 °C).

- Do not use harsh chemicals (such as alcohol, benzene, thinners, etc.) or detergents to clean your phone. There is a risk of this causing a fire.
- Do not drop, strike, or shake your phone severely. Such actions may harm the internal circuit boards of the phone.
- Do not use your phone in high explosive areas as the phone may generate sparks.
- Do not damage the power cord by bending, twisting, pulling, or heating.
- Do not use the plug if it is loose as it may cause a fire or electric shock.
- Do not place any heavy items on the power cord. Do not allow the power cord to be crimped as it may cause fire or electric shock.
- Do not handle the phone with wet hands while it is being charged. It may cause an electric shock or seriously damage your phone.
- Do not disassemble the phone.
- Do not place or answer calls while charging the phone as it may short-circuit the phone and/or cause electric shock or fire.
- Only use the batteries, antennas, and chargers provided by LG. The warranty will not be applied to products provided by other suppliers.
- Only authorized personnel should service the phone and its accessories. Faulty installation or service may result in accidents and consequently invalidate the warranty.
- Do not hold or let the antenna come in contact with your body during a call.
- An emergency call can be made only within a service area. For an emergency call, make sure that you are within a service area and that the phone is turned on.
- Use accessories, such as earphones and headsets, with caution. Ensure that cables are tucked away safely and do not touch the antenna unnecessarily.

FCC RF Exposure Information

⚠ WARNING
Read this information before operating the phone.

In August 1996, the Federal Communications Commission (FCC) of the United States, with its action in Report and Order FCC 96-326, adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies.
The design of this phone complies with the FCC guidelines and these international standards.

CAUTION
Use only the supplied and approved antenna. Use of unauthorized antennas or modifications could impair call quality, damage the phone, void your warranty and/or result in violation of FCC regulations. Do not use the phone with a damaged antenna. If a damaged antenna comes into contact with skin, a minor burn may result. Contact your local dealer for a replacement antenna.

Body-worn Operation

This device was tested for typical body-worn operations with the back of the phone kept 1 cm (0.39 inches) between the user's body and the back of the phone. To comply with FCC RF exposure requirements, a minimum separation distance of 1 cm (0.39 inches) must be maintained between the user's body and the back of the phone.
Third-party belt-clips, holsters, and similar accessories containing metallic components may not be used.

Body-worn accessories that cannot maintain 1 cm (0.39 inches) separation distance between the user's body and the back of the phone, and have not been tested for typical bodyworn operations may not comply with FCC RF exposure limits and should be avoided.

Vehicle Mounted External Antenna (optional, if available)

A minimum separation distance of 20 cm (8 inches) must be maintained between the user/bystander and the vehicle mounted external antenna to satisfy FCC RF exposure requirements. For more information about RF exposure, visit the FCC website at www.fcc.gov

FCC Part 15 Class B Compliance

This device complies with part 15 of FCC rules and ICES-003 Class B digital apparatus requirements for Industry Canada.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cautions for Battery

- Do not disassemble.
- Do not short-circuit.
- Do not expose to high temperature: 140°F (60°C).
- Do not incinerate.

Battery Disposal

- Please dispose of your battery properly or bring to your local wireless carrier for recycling.
- Your phone contains an internal battery. Do not dispose of your battery by fire or with hazardous or flammable materials.

Adapter (Charger) Cautions

- Using the wrong battery charger could damage your phone and void your warranty.
- The adapter or battery charger is intended for indoor use only.
- Do not expose the adapter or battery charger to direct sunlight or use it in places with high humidity, such as the bathroom.

Avoid damage to your hearing

- Damage to your hearing can occur if you are exposed to loud sounds for long periods of time. We therefore recommend that you do not turn on or off the handset close to your ear. We also recommend that music and call volumes are set to a reasonable level.
- If you are listening to music whilst out and about, please ensure that the volume is at a reasonable level so that you are aware of your surroundings. This is particularly imperative when attempting to cross the street.

Safety Guidelines

TIA Safety Information

Provided herein is the complete TIA Safety Information for Wireless Handheld phones. Inclusion of the text covering Pacemakers, Hearing Aids, and Other Medical Devices is required in the owner's manual for CTIA Certification. Use of the remaining TIA language is encouraged when appropriate.

Exposure to Radio Frequency Signal

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals. In August, 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones.

Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

ANSI C95.1 (1992) *

NCRP Report 86 (1986)

ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies and industry experts reviewed the available body of research to develop the ANSI Standard (C95.1).

* American National Standards Institute; National Council on Radiation Protection and Measurements; International Commission on Non-Ionizing Radiation Protection

The design of your phone complies with the FCC guidelines (and those standards).

Antenna Care

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

Safety Guidelines

Phone Operation

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

Tips on Efficient Operation

For your phone to operate most efficiently:

Do not touch the antenna unnecessarily when the phone is in use. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

Driving

Check the laws and regulations on the use of wireless phones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving - driving safely is your first responsibility;
- Use hands-free operation, if available;
- Pull off the road and park before making or answering a call if driving conditions so require.

Electronic Devices

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6”) inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON.
- Should not carry the phone in a breast pocket.
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Health Care Facilities

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may use equipment that could be sensitive to external RF energy.

Safety Guidelines

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also inform the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

Aircraft

FCC regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a blasting area or in areas posted: 'Turn off two-way radio'. Obey all signs and instructions.

Potentially Explosive Atmosphere

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, marked clearly. Potential areas may include: fueling areas (such as gasoline stations); below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles (such as grain, dust, or metal powders); and any other area where you would normally be advised to turn off your vehicle engine.

For Vehicles Equipped with an Air Bag

An air bag inflates with great force. DO NOT place objects, including installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Safety Information

Please read and observe the following information for safe and proper use of your phone and to prevent damage. Also, keep the user guide in an accessible place at all times after reading it.

Charger and Adapter Safety

- The charger and adapter are intended for indoor use only.

Battery Information and Care

- Please dispose of your battery properly or take it to your local wireless carrier for recycling.
- The battery does not need to be fully discharged before recharging.
- Use only LG-approved chargers specific to your phone model since they are designed to maximize battery life.
- Do not disassemble or impact the battery as it may cause electric shock, short-circuit, and fire. Store the battery in a place out of reach of children.
- Replace the battery when it no longer provides acceptable performance. If you need to replace the battery, take it to the nearest authorized LG Electronics service point or dealer for assistance.
- Recharge the battery after long periods of non-use to maximize battery life.
- Battery life will vary due to usage patterns and environmental conditions.

- Use of extended backlighting, Media Net Browsing, and data connectivity kits affect battery life and talk/standby times.
- Actual battery life will depend on network configuration, product settings, usage patterns, battery and environmental conditions.

Explosion, Shock, and Fire Hazards

- Do not put your phone in a place subject to excessive dust and keep the minimum required distance between the power cord and heat sources.
- Unplug the power cord prior to cleaning your phone, and clean the power plug pin when it is dirty.
- When using the power plug, ensure that it is firmly connected. If it is not, it may cause excessive heat or fire.
- If you put your phone in a pocket or bag without covering the receptacle of the phone (power plug pin), metallic articles (such as a coin, paperclip or pen) may short-circuit the phone. Always cover the receptacle when not in use.
- Do not short-circuit the battery. Metallic articles such as a coin, paperclip or pen in your pocket or bag may short-circuit the + and – terminals of the battery (metal strips on the battery) upon moving. Short-circuiting of the terminal may damage the battery and cause an explosion.

General Notice

- Using a damaged battery or placing a battery in your mouth may cause serious injury.
- Do not place items containing magnetic components such as a credit card, phone card, bank book or subway ticket near your phone. The magnetism of the phone may damage the data stored in the magnetic strip.
- Talking on your phone for a long period of time may reduce call quality due to heat generated during use.

- When the phone is not being used for a long period time, store it in a safe place with the power cord unplugged.
- Using the phone in proximity to receiving equipment (i.e., TV or radio) may cause interference to the phone.
- Do not use the phone if the antenna is damaged. If a damaged antenna contacts skin, it may cause a slight burn. Please contact an LG Authorized Service Centre to replace the damaged antenna.
- Do not immerse your phone in water. If this happens, turn it off immediately. If the phone does not work, take it to an LG Authorized Service Centre.
- Do not paint your phone.
- The data saved in your phone might be deleted due to careless use, repair of the phone, or upgrade of the software. Please backup your important phone numbers. (Ring tones, text messages, voice messages, pictures, and videos could also be deleted.) The manufacturer is not liable for damage due to the loss of data.
- When you use the phone in public places, set the ring tone to vibration so as not to disturb others.
- Do not turn your phone on or off when putting it near your ear.
- Your phone is an electronic device that generates heat during normal operation. Extremely prolonged, direct contact with skin in the absence of adequate ventilation may result in discomfort or minor burns. Therefore, use care when handling your phone during or immediately after operation.
- Do not attempt to repair or modify the device yourself. Your device is equipped with an internal rechargeable battery which should be replaced only by LG or an authorized LG repair center. You should never attempt to open or disassemble this device yourself and doing so may cause damage that will void your warranty.

FDA Consumer Update

The U.S. Food and Drug Administration Centre for Devices and Radiological Health Consumer Update on Mobile Phones.

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the standby mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is the FDA's role concerning the safety of wireless phones?

Under the law, the FDA does not review the safety of radiation emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, the FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data does not justify FDA regulatory actions, the FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of the type of RF emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

- Cooperate in providing wireless phones with the best possible information on possible effects of wireless phone use on human health.

The FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Occupational Safety and Health Administration (Administración de la seguridad y salud laborales)
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration
- The National Institutes of Health participates in some interagency working group activities, as well.

The FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. The FCC relies on the FDA and other health agencies for safety questions about wireless phones.

The FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than the wireless phones do themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term 'wireless phone' refers here to handheld wireless phones with builtin antennas, often called 'cell', 'mobile', or 'PCS' phones. These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by FCC safety guidelines that were developed with the advice of the FDA and other federal health and safety agencies. When the phone is located at greater distances from the

user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called ' cordless phones,' which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits.

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer causing chemicals so as to be predisposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health. Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures.

However, none of the studies can answer questions about longterm exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that is needed. Lifetime animal

exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect, if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years of follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is the FDA doing to find out more about the possible health effects of wireless phone RF?

The FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). The FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The project has also helped develop a series of public information documents on EMF issues. The FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. The FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA funded research is conducted through contracts with independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. The FCC established these guidelines in consultation with the FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wireless telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (http://www.fcc.gov/oet/rfsafety) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has the FDA done to measure the radiofrequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, 'Recommended Practice for Determining the Spatial- Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques,' sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users. The test method uses a tissue simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure. If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data does not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, the FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by the FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. The FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a 'compatible' phone and a 'compatible' hearing aid at the same time. This standard was approved by the IEEE in 2000. The FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, the FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

FDA web page on wireless phones (http://www.fda.gov/)

Federal Communications Commission (FCC) RF Safety Program (http://www.fcc.gov/oet/rfsafety)

International Commission on Non-Ionizing Radiation Protection (http://www.icnirp.de)

World Health Organization (WHO) International EMF Project (http://www.who.int/emf)

National Radiological Protection Board (UK) (http://www.nrpb.org.uk/)

10 Driver Safety Tips

Your wireless phone gives you the powerful ability to communicate by voice almost anywhere, anytime. An important responsibility accompanies the benefits of wireless phones, one that every user must uphold. When operating a car, driving is your first responsibility.

When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features such as speed dial and redial. Carefully read your instruction manual and learn to take advantage of valuable features most phones offer, including automatic redial and memory. Also, work to memorize the phone keypad so you can use the speed dial function without taking your attention off the road.
2. When available, use a handsfree device. A number of handsfree wireless phone accessories are readily available today. Whether you choose an installed mounted device for your wireless phone or a speaker phone accessory, take advantage of these devices if available to you.
3. Position your wireless phone within easy reach. Make sure you place your wireless phone within easy reach and where you can reach it without removing your eyes from the road. If you get an incoming call at an inconvenient time, if possible, let your voicemail answer it for you.
4. Suspend conversations during hazardous driving conditions or situations. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow and ice can be hazardous, but so is heavy traffic. As a driver, your first responsibility is to pay attention to the road.

5. Do not take notes or look up phone numbers while driving. If you are reading an address book or business card, or writing a “to-do” list while driving a car, you are not watching where you are going. It is common sense. Don’t get caught in a dangerous situation because you are reading or writing and not paying attention to the road or nearby vehicles.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan your calls before you begin your trip or attempt to coincide your calls with times you may be stopped at a stop sign, red light or otherwise stationary. But if you need to dial while driving, follow this simple tip — dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Stressful or emotional conversations and driving do not mix; they are distracting and even dangerous when you are behind the wheel of a car. Make people you are talking with aware you are driving and if necessary, suspend conversations which have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Your wireless phone is one of the greatest tools you can own to protect yourself and your family in dangerous situations — with your phone at your side, help is only three numbers away. Dial 911 or other local emergency number in the case of fire, traffic accident, road hazard or medical emergency. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. Your wireless phone provides you a perfect opportunity to be a “Good Samaritan” in your community. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 911 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special wireless nonemergency assistance number when necessary. Certain situations you encounter while driving may require attention, but are not urgent enough to merit a call for emergency services. But you can still use your wireless phone to lend a hand. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.

For more information, please call to 888- 901-SAFE.

Consumer Information on SAR (Specific Absorption Rate)

This Model Phone Meets the Government's Requirements for Exposure to Radio Waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted using standard operating positions specified by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands.

Safety Guidelines

Although SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. Because the phone is designed to operate at multiple power levels to use only the power required to reach the network, in general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified by the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model.

The highest SAR value for this model phone when tested for use at the ear is 0.80 W/kg and when worn on the body, as described in this user's manual, is 1.20 W/kg. (Body-worn measurements differ among phones models, depending upon available accessories and FCC/IC requirements.) While there may be differences between SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF emission guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/ea/fccid after searching on FCC ID: ZNFE410G.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at http://www.ctia.org/

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
* Product meets current FCC & IC Radio Frequency Exposure Guidelines.
  FCC ID: ZNFE410G
  IC ID: 2703C-E410B

Ambient temperatures
Max: +50°C (discharging), +45°C (charging)
Min: -10°C

Notice: Open Source Software
To obtain the corresponding source code under GPL, LGPL, MPL and other open source licences, please visit http://opensource.lge.com/
All referred licence terms, disclaimers and notices are available for download with the source code.

Important notice

Please read this before you start using your phone!

Please check to see whether any problems you encountered with your phone are described in this section before taking the phone for service or calling a service representative.

1. Phone memory

When there is less than 10% of space available in your phone memory, your phone cannot receive new messages. You need to check your phone memory and delete some data, such as applications or messages, to make more memory available.

To uninstall applications:

1 Touch > **Apps** tab > **Settings** > **Apps** from the DEVICE.
2 Once all applications appear, scroll to and select the application you want to uninstall.
3 Touch **Uninstall**.

2. Optimizing battery life

Extend your battery's life between charges by turning off features that you don't need to have running constantly in the background. You can monitor how applications and system resources consume battery power.

Extending your phone's battery life:

- Turn off radio communications when you are not using. If you are not using Wi-Fi, Bluetooth or GPS, turn them off.
- Reduce screen brightness and set a shorter screen timeout.
- Turn off automatic syncing for Gmail, Calendar, Contacts and other applications.
- Some applications you have downloaded may reduce battery power.

To check the battery power level:

• Touch > **Apps** tab > **Settings** > **About phone** from the SYSTEM > **Battery**.

The battery status (charging or discharging) and battery level (percentage charged) is displayed at the top of the screen.

To monitor and control how battery power is being used:

• Touch > **Apps** tab > **Settings** > **About phone** from the SYSTEM > **Battery** > **Battery use**.

Battery usage time is displayed on the screen. It tells you how long it has been since you last connected your phone to a power source or, if currently connected, how long the phone was last running on battery power. The screen shows the applications or services using battery power, listed in order from the greatest to smallest amount used.

3. Before installing an open source application and OS

⚠ WARNING

If you install and use an OS other than the one provided by the manufacturer it may cause your phone to malfunction. In addition, your phone will no longer be covered by the warranty.

⚠ WARNING

To protect your phone and personal data, only download applications from trusted sources, such as Play Store™. If there are improperly installed applications on your phone, the phone may not work normally or a serious error may occur. You must uninstall those applications and all associated data and settings from the phone.

4. Using an unlock pattern

Set an unlock pattern to secure your phone. Touch > **Apps** tab > **Settings** > **Lock screen** from DEVICE > **Select screen lock** > **Pattern**. This opens a screen that will guide you through how to draw a screen unlock pattern. You have to create a Backup PIN as a safety measure in case you forget your unlock pattern.

Caution: Create a Google account before setting an unlock pattern and remember the Backup PIN you created when creating your pattern lock.

⚠ **WARNING**

Precautions to take when using pattern lock.

It is very important to remember the unlock pattern you set. You will not be able to access your phone if you use an incorrect pattern 5 times. You have 5 opportunities to enter your unlock pattern, PIN or password. If you have used all 5 opportunities, you can try again after 30 seconds.

When you can't recall your unlock Pattern, PIN or Password:

< If you have forgotten your pattern >

If you logged in to your Google account on the phone but failed to enter the correct pattern 5 times, touch the **Forgot pattern?** button at the bottom of the screen. You are then required to log in with your Google Account or you have to enter the Backup PIN you entered when creating your Pattern Lock.

If you have not created a Google account on the phone or you forgot Backup PIN, you have to perform a hard reset.

< If you have forgotten your PIN or Password >

If you forget your PIN or Password, you will need to perform a hard reset.

Caution: If you perform a hard reset, all user applications and user data will be deleted.

NOTE: If you have not logged into your Google Account and have forgotten your Unlock Pattern, you will need to enter your Backup PIN.

5. Using the Hard Reset (Factory reset)

If your phone does not restore to its original condition, use a Hard Reset (Factory Reset) to initialize it.

1 Power off the phone.
2 Press and hold the **Power/Lock key + Volume Down key + Home key**.
3 When the LG Logo appears on the screen, release all keys.

⚠ WARNING
If you perform a Hard Reset, all user applications, user data and DRM licenses will be deleted. Please remember to backup any important data before performing a Hard Reset.

6. Opening and switching applications

Multi-tasking is easy with Android because you can keep more than one application running at the same time. There is no need to quit an application before opening another one. Use and switch between several open applications. Android manages each application, stopping and starting them as needed to ensure that idle applications don't consume resources unnecessarily.

To stop applications:

1 Touch > **Apps** tab > **Settings** > **Apps** from DEVICE > **RUNNING**.
2 Scroll and touch the desired application and touch **Stop** to stop it.

NOTE: For multitasking, press the Home key to move to another app while using an app. This does not stop the previous app running in the background on the device. Make sure to touch the Back key to exit an app after using it.

7. Transferring music, photos and videos using Media sync (MTP)

1 Touch > **Apps** tab > **Settings** > **Storage** from the DEVICE to check out the storage media.
2 Connect the phone to your PC using the USB cable.
3 A USB connection type list will appear on your phone screen, Select the **Media sync (MTP)** option.
4 Open the memory folder on your PC. You can view the mass storage content on your PC and transfer the files.
5 Copy the files from your PC to the drive folder.

8. Hold your phone upright

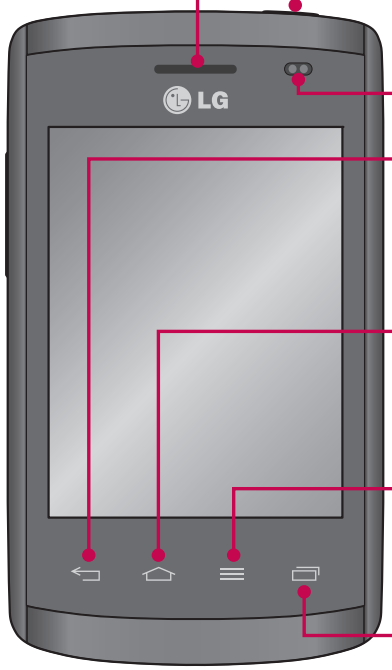
Hold your cell phone vertically, as you would a regular phone. Your phone has an internal antenna. Be careful not to scratch or damage the back of the phone, as this may affect performance. When making/receiving calls or sending/receiving data, avoid holding the lower part of the phone where the antenna is located. Doing so may affect call quality.

9. When the screen freezes

If the screen freezes or the phone does not respond when you try to operate it:
Press and hold the **Power/Lock** key for 10 seconds to turn your phone off.
If it still does not work, please contact the service center.

Getting to know your phone

Phone overview



Earpiece

Power/Lock key

- Switch your phone on/off by pressing and holding this key.
- Short press to lock/unlock the screen.

Proximity Sensor

Back key

- Return to the previous screen. Exit an app after using it.

Home key

- Return to the Home screen from any screen.

Menu key

- Check what options are available.

Recent Apps key

- To view recently used applications.

NOTE: Proximity sensor

When receiving and making calls, the proximity sensor automatically turns the backlight off and locks the Touch screen by sensing when the phone is near to your ear. This extends battery life and prevents you from unintentionally activating the Touch screen during calls.

⚠ WARNING

Placing a heavy object on the phone or sitting on it can damage the LCD and Touch screen functions. Do not cover the LCD proximity sensor with protective film. This could cause the sensor to malfunction.

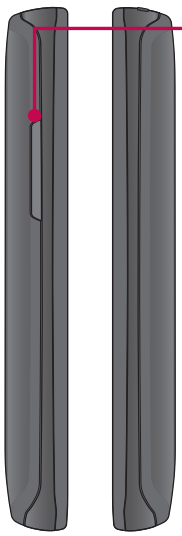
Getting to know your phone

⚠ WARNING

While in the speaker phone mode(Handsfree mode) the speaker sound might be high, and so to avoid damage to your hearing, do not close the handset to your ear while using speaker phone mode.

Power/Lock key

Earphone Jack



Volume keys

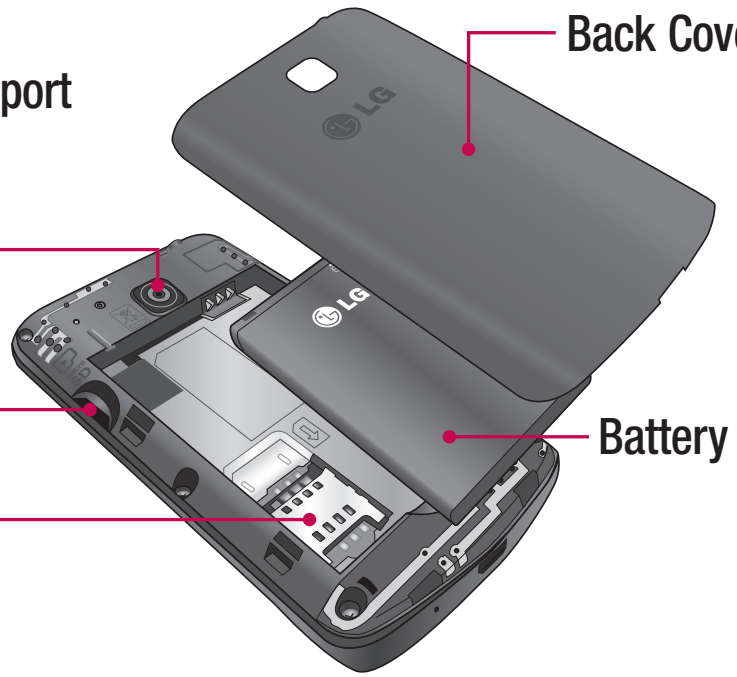
- **On the Home screen:** Controls ringer volume
- **During a call:** Control your earpiece volume
- **When playing a track:** Controls volume continuously

TIP! QuickMemo function

Press and hold the Volume Up and Volume Down Keys for one second to use the QuickMemo function.

Microphone

Charger/USB port



Back Cover

Camera lens

microSD Card Slot

Battery

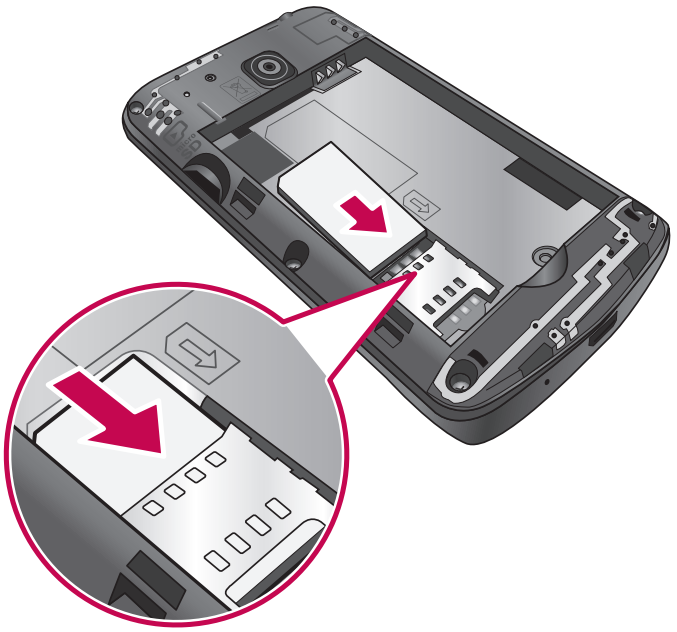
SIM card slot

Installing the SIM card and battery

Before you can start exploring your new phone, you'll need to set it up. To insert the SIM card and battery:

1 To remove the back cover, hold the phone firmly in one hand. With your other hand, lift off the back cover as shown in figure.

2 Slide the SIM card into slot as shown in the figure. Make sure the gold contact area on the SIM card is facing downwards.



3 Insert the battery into place by aligning the gold contacts on the phone and the battery (1) and pressing it down until it clicks into place (2).

4 Align the back cover over the battery compartment (1) and press it down until it clicks into place (2).

Charging the phone

Charge the battery before using it for the first time. Use the charger to charge the battery. A computer can be also used to charge the device by connecting them via the USB cable.

⚠ WARNING

Use only LG-approved chargers, batteries, and cables. When using unapproved chargers or cables, it may cause battery charging slowly or pop up the message regarding slow charging. Or, unapproved chargers or cables can cause the battery to explode or damage the device, which are not covered by the warranty.

Getting to know your phone

The charger connector is at the bottom of the phone. Insert the charger and plug it into an electrical outlet.

NOTE:

- The battery must be fully charged initially to improve battery lifetime.
- Do not open the back cover while your phone is charging.

NOTE:

- When the battery power is low, the device emits a warning tone and displays a low battery power message.
- If the battery is completely discharged, the device cannot be turned on immediately when the charger is connected. Allow a depleted battery to charge for a few minutes before turning on the device.
- If you use multiple applications at once, network applications, or applications that need a connection to another device, the battery will drain quickly. To avoid disconnecting from the network or losing power during a data transfer, always use these applications after fully charging the battery.
- The device can be used while it is charging, but it may take longer to fully charge the battery.
- If the device receives an unstable power supply while charging, the touch screen may not function. If this happens, unplug the charger from the device.
- While charging, the device may heat up. This is normal and should not affect the device's lifespan or performance. If the battery gets hotter than usual, the charger may stop charging.

After fully charging, disconnect the device from the charger. First unplug the charger from the device, and then unplug it from the electric socket. Do not remove the battery before removing the charger. This may damage the device.

NOTE: To save energy, unplug the charger when not in use. You must unplug the charger from the electric socket when not in use to avoid wasting power. The device should remain close to the electric socket while charging.

Reducing the battery consumption

Your device provides options that help you save battery power. By customising these options and deactivating features in the background, you can use the device longer between charges:

- Activate power-saving mode.
- When you are not using the device, switch to sleep mode by pressing the Power/lock key.
- Close unnecessary applications with the task manager.
- Deactivate the Bluetooth feature.
- Deactivate the Wi-Fi feature.
- Deactivate auto-syncing of applications.
- Decrease the Screen timeout.
- Decrease the brightness of the display.

Using the memory card

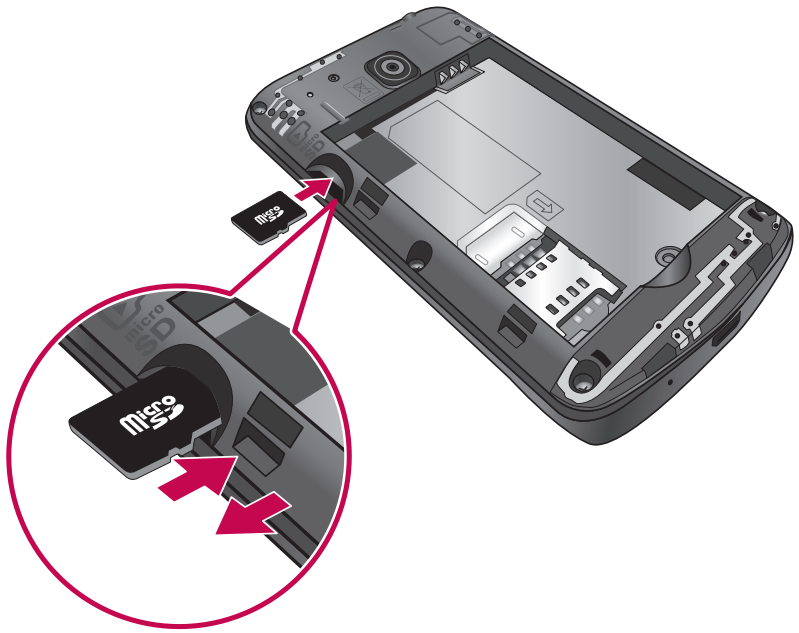
Your phone supports the use of microSD™ or microSDHC™ memory cards of up to 32 GB capacity. These memory cards are specifically designed for mobile phones and other ultra-small devices, and are ideal for storing media-rich files such as music, programs, videos and photographs for use with your phone.

To insert a memory card:

Insert the memory card into the slot. Make sure the gold contact area is facing downwards.

To safely remove the memory card:

Touch > **Apps** tab > **Settings** > **Storage** from the DEVICE > **Unmount SD card** > **OK**.



NOTE:

- Use only compatible memory cards with your phone. Using incompatible memory cards may damage the card and data stored on the card, as well as the phone.
- As the device uses FAT32, the maximum size for any given file is 4 GB.

⚠ WARNING

Do not insert or remove the memory card when the phone is ON. Doing so may damage the memory card as well as your phone, and the data stored on the memory card may become corrupt.

To format the memory card:

Your memory card may already be formatted. If it isn't, you must format it before you can use it.

NOTE: All files on your memory card are deleted when it is formatted.

1 Touch to open the application list.
2 Scroll and touch **Settings** > **Storage** from the DEVICE tab.
3 Touch **Unmount SD card** and touch **OK** to confirm.
4 Touch **Erase SD card** > **Erase SD card** > **Erase everything**.
5 If you have set a pattern lock, input the pattern lock then select **Erase everything**.

NOTE: If there is content on your memory card, the folder structure may be different after formatting, as all the files will have been deleted.

Locking and unlocking the screen

If you do not use the phone for a while, the screen will be automatically turned off and locked. This helps to prevent accidental touches and saves battery power.

When you are not using your phone, press the **Power/Lock key** to lock your phone.

If there are any programs running when you lock your screen, they may be still running in Lock mode. It is recommended that you exit all programs before entering Lock mode to avoid unnecessary charges (e.g. phone calls, web access and data communications).

To wake up your phone, press the **Power/Lock key**. The Lock screen will appear. Touch and slide the Lock screen in any direction to unlock your Home screen. The last screen you viewed will open.

Your Home screen

Touch screen tips

Here are some tips on how to navigate on your phone.

Tap or touch – A single finger tap selects items, links, shortcuts and letters on the on-screen keyboard.

Touch and hold – Touch and hold an item on the screen by touching it and not lifting your finger until an action occurs. For example, to open a contact's available options, touch and hold the contact in the Contacts list until the context menu opens.

Drag – Touch and hold an item for a moment and then, without lifting your finger, move your finger on the screen until you reach the target position. You can drag items on the Home screen to reposition them.

Swipe or slide – To swipe or slide, quickly move your finger across the surface of the screen, without pausing when you first touch it (so you don't drag an item instead). For example, you can slide the screen up or down to scroll through a list, or browse through the different Home screens by swiping from left to right (and vice versa).

Double-tap – Double-tap to zoom on a webpage or a map. For example, quickly double-tap a section of a webpage to adjust that section to fit the width of the screen. You can also double-tap to zoom in and out after taking a picture (using the Camera), and when using Maps.

Pinch-to-Zoom – Use your index finger and thumb in a pinching or spreading motion to zoom in or out when using the browser or Maps, or when browsing pictures.

Rotate the screen – From many applications and menus, the orientation of the screen adjusts to the device's physical orientation.

NOTE:

- To select an item, touch the center of the icon.
- Do not press too hard; the Touch screen is sensitive enough to pick up a light, yet firm touch.
- Use the tip of your finger to touch the option you want. Be careful not to touch any other keys.

Your Home screen

Home screen

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders or widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing **Home** key.

On your Home screen, you can view menu icons at the bottom of the screen. Menu icons provide easy and one-touch access to the functions you use the most.

- Touch the **Phone** icon to bring up the Touch screen dialpad to make a call.
- Touch the **Contacts** icon to open your contacts.
- Touch the **Messaging** icon to access the messaging menu. This is where you can create a new message.
- Touch the **Apps** icon at the bottom of the screen. This displays all of your installed applications. To open any application, simply touch the icon in the applications list.

Navigating Through the Home Screens

Your phone has several home screens. If you like, you can place different applications on each of the home screens.

1 From the main Home screen, swipe the screen with your finger in either direction. The main Home Screen is located in the middle of Home screens.

Navigating Through the Application Menu

Your phone initially has several Application Menus available. Follow these steps to navigate through the Application Menu screens:

1 At the Home screen, tap . The first Application Menu displays.

2 Swipe the screen left or right to access the other two menus.

3 Tap one of the application icons.

Navigating Through the Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging or Internet.

1 Touch . A sub-menu displays at the bottom of the phone screen.

2 Tap an option.

Your Home screen

Customizing the Screen

You can customize your Home screen by doing the following:

- Changing the Wallpaper
- Creating Shortcuts
- Creating Application Folders on Home screen
- Adding and Removing Widgets on Home screen
- Customizing the Apps Menu screen

Changing the Wallpaper of Home screen

You can change the Wallpaper (background) of your home screen by following these steps:

1 From the Home screen, touch and hold on an empty area of the screen.

2 Under the **Select wallpaper from** heading, tap one of the following options:

- **Gallery:** select a wallpaper from photographs you have taken with your camera.
- **Live Wallpapers:** select an animated wallpaper. This option is not available for the Lock screen option.
- **Wallpaper gallery:** select from many still-life wallpapers.

Creating Shortcuts on Home screen

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

NOTE: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press ⌂ to go to the main Home screen, if it is not already selected.
2. Navigate to the desired Home screen.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Deleting a shortcut

1. Press ⌂ to activate the Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the **Remove** icon and release it.

Creating Application Folders on Home screen

You can create application folders to hold similar applications if you wish.

1. Drop one app icon over another one on a Home screen, and the two icons will be combined. Repeat this step or tap the **Folder** icon > **+** icon, then you can combine several app icons in a folder.

Your Home screen

Adding and Removing Widgets on Home screen

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget displays as an on-screen application.

Adding a Widget

1 Navigate to the desired Home screen page from the main Home screen.
2 Tap .
3 Tap **Widgets** tab at the top of the screen.
4 Touch and hold an available Widget to position it on the current screen.

Removing a Widget

1 Touch and hold a Widget until you can move it around on the screen.
2 Drag the Widget over the **Remove** icon and release it.

NOTE: This action does not actually delete the Widget, it just removes it from the current Home screen.

Customizing the Apps Menu screen

1 Touch from Home screen.
2 Tap the **Apps** tab at the top of the screen to go to the Apps Menu screen, if it is not already selected.
3 Touch to customize the Apps Menu screen using **Search**, **Sort by**, **Apps wallpaper**, **Hide/Show apps** menu options.

Returning to recently-used applications

1 Press and hold the **Home** key or Touch **Recent Apps** key. The screen displays a pop-up containing the icons of applications you used recently.

2 Touch an icon to open the application. Or touch the **Back** key to return to your previous screen.

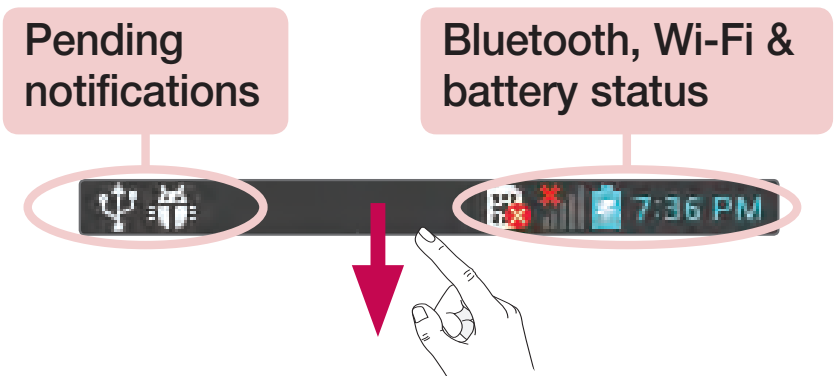
Notifications

Notifications alert you to the arrival of new messages, calendar events, and alarms, as well as to ongoing events, such as video downloads.

From the notifications panel, you can view your phone's current status and pending notifications.

When a notification arrives, its icon appears at the top of the screen. Icons for pending notifications appear on the left, and system icons showing things like Wi-Fi or battery strength on the right.

NOTE: The available options may vary depending on the region or service provider.



Your Home screen

Swipe down for notifications & settings

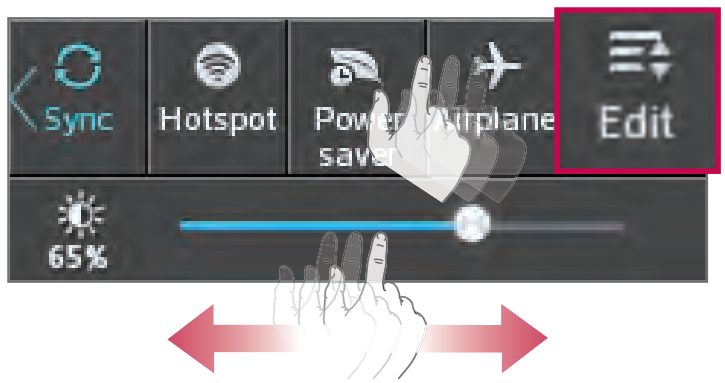
Swipe down the status bar to open the notifications panel. To close the notifications panel, swipe the bar at the bottom of the screen up.

Quick Settings

Use Quick Settings to easily toggle function settings like Wi-Fi, manage display brightness and more. For Quick Settings, swipe down the status bar to open the notifications panel and swipe or touch for your desired setting.

To rearrange Quick Setting items on the notification panel

Touch . You can then check and rearrange items on the notification panel.



Indicator icons on the Status Bar

Indicator icons appear on the status bar at the top of the screen to report missed calls, new messages, calendar events, device status and more.

The icons displayed at the top of the screen provide information about the status of the device. The icons listed in the table below are some of the most common ones.

Icon	Description
	No USIM card
	No signal
	Airplane mode
	Connected to a Wi-Fi network
	Wired headset
	Call in progress
	Call hold
	Speakerphone
	Missed call
	Bluetooth is on
	System warning
	Alarm is set
	New voicemail
	Ringer is silenced

Icon	Description
	Vibrate mode
	Battery fully charged
	Battery is charging
	Downloading data
	Uploading data
	GPS is acquiring
	Receiving location data from GPS
	Data is syncing
	New Gmail
	New message
	Song is playing
	Phone is connected to PC via USB cable or USB tethering is active
	Portable Wi-Fi hotspot is active
	Both USB tethering and portable hotspot are active

NOTE: The icon's location in the status bar may differ according to the function or service.

Onscreen keyboard

You can enter text using the on-screen keyboard. The on-screen keyboard appears automatically on the screen when you need to enter text. To manually display the keyboard, simply touch a text field where you want to enter text.

Using the keypad & entering text

Tap once to capitalize the next letter you type. Double-tap for all caps.

Tap to switch to the numbers and symbols keyboard.

Touch and hold this icon, select to use the voice input function or select for Keyboard settings.

Tap to enter a space.

Tap to create a new line.

Tap to delete the previous character.

Entering accented letters

When you select French or Spanish as the text entry language, you can enter special French or Spanish characters (e.g. "á").

For example, to input "á", touch and hold the "a" key until the zoom-in key grows bigger and displays characters from different languages.

Then select the special character you want.

Google account setup

When you first turn on your phone, you have the opportunity to activate the network, to sign into your Google Account and select how you want to use certain Google services.

To set up your Google account

- Sign into a Google Account from the prompted set-up screen.

  OR

- Touch > **Apps** tab > select a Google application, such as **Gmail** > select **New** to create a new account.

If you have a Google account, touch **Existing**, enter your email address and password, then touch .

Once you have set up your Google account on your phone, your phone automatically synchronizes with your Google account on the Web.

Your contacts, Gmail messages, Calendar events and other information from these applications and services on the Web are synchronized with your phone. (This will depend on your synchronization settings.)

After signing in, you can use Gmail™ and take advantage of Google services on your phone.

À propos de l'écran de création du compte Google

(The upper screen displays may vary by software version.)

Notice:

- When setting up the Google account, some texts or tabs on the screen may appear overlapped with each other depending on the software version.
- With the Android ecosystem, some available Market applications only operate correctly with phones that have a specific screen resolution. Please be advised that some of the applications on the Android Market may not be available for your phone due an LCD resolution requirement that does not match your phone. In addition, please be aware that 3rd party applications with programming defects may cause abnormal behavior of your phone.

Connecting to Networks and Devices

Wi-Fi

With Wi-Fi, you can use high-speed Internet within the coverage of the wireless access point (AP). Enjoy wireless Internet using Wi-Fi, without extra charges.

Connecting to Wi-Fi networks

To use Wi-Fi on your phone, you need to access a wireless access point or 'hotspot'. Some access points are open and you can simply connect to them. Others are hidden or use security features, you must configure your phone to be able to connect to them. Turn off Wi-Fi when you're not using it to extend the life of your battery.

NOTE: If you are out of the Wi-Fi zone or have set Wi-Fi to **OFF**, additional charges may be applied by your mobile operator for mobile data use.

Turning Wi-Fi on and connecting to a Wi-Fi network

1 Touch > **Apps** tab > **Settings** > **Wi-Fi** from the WIRELESS & NETWORKS tab.

2 Set **Wi-Fi** to **ON** and start scanning for available Wi-Fi networks.

3 Tap the Wi-Fi menu again to see a list of active and in-range Wi-Fi networks.
- Secured networks are indicated by a lock icon.

4 Touch a network to connect to it.
- If the network is secured, you are prompted to enter a password or other credentials. (Ask your network administrator for details)

5 The status bar displays icons that indicate Wi-Fi status.

Bluetooth

You can use Bluetooth to send data by running a corresponding application, not from the Bluetooth menu as on most other mobile phones.

NOTE:

- LG is not responsible for the loss, interception or misuse of data sent or received via the Bluetooth wireless feature.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your device.

Turning on Bluetooth and pairing up your phone with a Bluetooth device

You must pair your device with another device before you connect to it.

1 Touch > **Apps** tab > **Settings** > set **Bluetooth** to **ON** from the WIRELESS & NETWORKS tab.

2 Tap the **Bluetooth** menu again. You will see the option to make your phone visible and option to search devices. Now tap **Search for devices** to view the devices in the Bluetooth Range.

3 Choose the device you want to pair with from the list.

Once the paring is successful, your device will connect to the other device.

NOTE: Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has a PIN, you will be asked to enter it.

Send data using the Bluetooth wireless feature

1 Select a file or item, such as a contact, calendar event or media file from an appropriate application or from **Downloads**.

2 Select the option for sending data via Bluetooth.

NOTE: The method for selecting an option may vary by data type.

3 Search for and pair with a Bluetooth-enabled device.

Receive data using the Bluetooth wireless feature

1 Touch > **Apps** tab > **Settings** > set **Bluetooth** to **ON** and touch **Model name** to be visible on other devices.

NOTE: To select the length of time that your device will be visible, touch > **Visibility timeout**.

2 Select **Accept** to confirm that you are willing to receive data from the device.

Sharing your phone's data connection

USB tethering and portable Wi-Fi hotspot are great features when there are no wireless connections available. You can share your phone's mobile data connection with a single computer via a USB cable (USB tethering). You can also share your phone's data connection with more than one device at a time by turning your phone into a portable Wi-Fi hotspot.

When your phone is sharing its data connection, an icon appears in the status bar and as an ongoing notification in the notifications drawer.

For the latest information about tethering and portable hotspots, including supported operating systems and other details, visit http://www.android.com/tether.

To change Portable Wi-Fi hotspot settings:

1 Touch > **Apps** tab > **Settings** > **More...** from the WIRELESS & NETWORKS tab > **Portable Wi-Fi hotspot** > choose options that you want to adjust.

TIP! If your computer is running Windows 7 or a recent distribution of some flavours of Linux (such as Ubuntu), you will not usually need to prepare your computer for tethering. But, if you are running an earlier version of Windows or another operating system, you may need to prepare your computer to establish a network connection via USB. For the most current information about which operating systems support USB tethering and how to configure them, visit http://www.android.com/tether.

To rename or secure your portable hotspot

You can change the name of your phone's Wi-Fi network name (SSID) and secure its Wi-Fi network.

1 On the Home screen, touch > **Apps** tab > **Settings**.

2 Touch **More...** from the WIRELESS & NETWORKS tab and select **Portable Wi-Fi hotspot**.

3 Ensure that **Portable Wi-Fi hotspot** is checked.

4 Touch **Set up Wi-Fi hotspot**.

- The **Set up Wi-Fi hotspot** dialogue box will open.
- You can change the **Network SSID** (name) that other computers see when scanning for Wi-Fi networks.
- You can also touch the **Security** menu to configure the network with Wi-Fi Protected Access 2 (WPA2) security using a pre-shared key (PSK).
- If you touch the **WPA2 PSK** security option, a password field is added to the **Set up Wi-Fi hotspot** dialogue box. If you enter a password, you will need to enter that password when you connect to the phone's hotspot with a computer or other device. You can set **Open** in the **Security** menu to remove security from your Wi-Fi network.

5 Touch **Save**.

ATTENTION! If you set the security option as Open, you cannot prevent unauthorised usage of online services by other people and additional charges may be incurred. To avoid unauthorized usage, you are advised to keep the security option active.

PC connections with a USB cable

Learn to connect your device to a PC with a USB cable in USB connection modes. By connecting the device to a PC you can directly transfer data to and from your device and use the PC software (LG PC Suite).

Syncing your phone with your computer

To synchronize your phone with your PC using the USB cable, you need to install the PC software (LG PC Suite) on your PC. Download the program from the LG website (www.lg.com).

1 Use the USB data cable to connect your phone to the PC. The USB connection type list will appear; select the LG software.
2 Run the LG PC Suite program on your PC. Refer to the PC software (LG PC Suite) help for more information.

NOTE: The LG integrated USB driver is required to connect an LG device to a PC. It is installed automatically when you install the LG PC Suite software.

Transferring music, photos and videos using the USB mass storage mode

1 Connect the your phone to a PC using a USB cable.

2 If you haven't installed the LG Android Platform Driver on your PC, you will need to manually change the settings. Touch > **Apps** tab > **Settings** > **PC connection** > **USB Connection type**, then select **Media sync (MTP)**.

3 You can now view the mass storage content on your PC and transfer the files.

Synchronise with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

1 Use the USB cable to connect the phone to a PC on which Windows Media Player has been installed.

2 Select the **Media sync (MTP)** option. When connected, a pop-up window will appear on the PC.

3 Open Windows Media Player to synchronize music files.

4 Edit or enter your device's name in the pop-up window (if necessary).

5 Select and drag the music files you want to the sync list.

6 Start synchronization.

- The following requirements must be satisfied to synchronize with Windows Media Player.

Items	Requirement
OS	Microsoft Windows XP SP2, Vista or higher
Window Media Player version	Windows Media Player 10 or higher

- If the Windows Media Player version is lower than 10, install version 10 or higher.

Calls

Making a call

1 Touch to open the keypad.
2 Enter the number using the keypad. To delete a digit, touch the .
3 Touch to make a call.
4 To end a call, touch the **End** icon .

TIP! To enter "+" to make international calls, touch and hold 0+.

Calling your contacts

1 Touch to open your contacts.
2 Scroll through the contact list or enter the first few letters of the contact you want to call by touching **Search contacts**.
3 In the list, touch to make the call.

Answering and rejecting a call

When you receive a call in Lock state, swipe the in any direction to Answer the incoming call. When the screen is unlocked, you just need to touch the icon to answer. Swipe the in any direction to Decline an incoming call.

Adjusting the in-call volume

To adjust the in-call volume during a call, use the Volume up and down keys on the left-hand side of the phone.

Making a second call

1 During your first call, touch **Menu** key > **Add call** and dial the number. You can also go to the recently dialled numbers list by touching or can search contacts by touching and select the contact you want to call.

2 Touch to make the call.
3 Both calls are displayed on the call screen. Your initial call is locked and put on hold.
4 Touch the displayed number to toggle between calls. Or touch **Merge calls** to start a conference call.
5 To end active calls, touch **End** or press the **Home** key, and slide the notification bar down and select the **End call** icon .

NOTE: You are charged for each call you make.

Viewing your call logs

On the Home screen, touch and choose the **Call logs** tab .
View a complete list of all dialled, received and missed calls.

TIP!
- Touch any call log entry to view the date, time and duration of the call.
- Touch the **Menu** key , then touch **Delete all** to delete all the recorded items.

Call settings

You can configure phone call settings such as call forwarding, as well as other special features offered by your carrier.

1 On the Home screen, touch .
2 Touch .
3 Tap **Call settings** and choose the options that you wish to adjust.

Contacts

Add contacts to your phone and synchronize them with the contacts in your Google account or other accounts that support contact syncing.

Searching for a contact

On the Home screen

1 Touch to open your contacts.
2 Touch **Search contacts** and enter the contact name using the keyboard.

Adding a new contact

1 Touch , enter the new contact's number, then touch the **Menu** key . Touch **Add to Contacts** > **Create new contact**.
2 If you want to add a picture to the new contact, touch the image area. Choose from **Take photo** or **Select from Gallery**.
3 Select the contact type by touching .
4 Touch a category of contact information and enter the details about your contact.
5 Touch **Save**.

Favorite contacts

You can classify frequently called contacts as favorites.

Adding a contact to your favorites

1 Touch to open your contacts.
2 Touch a contact to view its details.
3 Touch the star to the right corner of the contact's name. The star will turn to yellow color.

Removing a contact from your favorites list

1 Touch to open your contacts.
2 Touch the tab, and choose a contact to view its details.
3 Touch the yellow color star to the right corner of the contact's name. The star turns to grey color and the contact is removed from your favorites.

Creating a group

1 Touch to open your contacts.
2 Touch **Groups** and touch the **Menu** key . Select **New group**.
3 Enter a name for the new group. You can also set a ringtone for the newly created group.
4 Touch **Save** to save the group.

NOTE: If you delete a group, the contacts assigned to that group will not be lost. They will remain in your contacts.

Messaging

Your phone combines SMS and MMS into one intuitive, easy-to-use menu.

Sending a message

1 Touch on the Home screen and touch to open a blank message.

2 Enter a contact name or contact number in the **To** field. As you enter the contact name, matching contacts will appear. You can touch a suggested recipient. You can add more than one contact.

NOTE: You will be charged for a text message for every person you send the message to.

3 Touch **Enter message** field and begin composing your message.

4 Touch to open the Options menu. Choose from **Quick message**, **Insert smiley**, **Schedule sending**, **Add subject** and **Discard**.

TIP! You can touch the icon to attach the file you want to share to your message.

5 Touch **Send** to send your message.

6 Responses will appear on the screen. As you view and send additional messages, a message thread is created.

⚠ WARNING

- The 160-character limit may vary from country to country, depending on the language and how the SMS is coded.
- If an image, video or audio file is added to an SMS message, it is automatically converted into an MMS and you are charged accordingly.

Threaded box

Unread messages (SMS, MMS) are located on the top. And the others exchanged with another party can be displayed in chronological order so that you can conveniently see an overview of your conversation.

Changing your message settings

Your phone message settings are pre-defined, so you can send messages immediately. You can change the settings according to your preferences.

- Touch the **Messaging** icon on the Home screen, touch and then tap **Settings**.

E-mail

You can use the E-mail application to read emails from services like Gmail. The E-mail application supports the following account types: POP3, IMAP and Exchange.

Your service provider or system administrator can provide you with the account settings you need.

Managing an e-mail account

The first time you open the **E-mail** application, a set-up wizard opens to help you to set up an e-mail account.

After the initial set-up, E-mail displays the contents of your inbox. If you have added more than one account, you can switch among accounts.

To add another email account:

- Touch > **Apps** tab > **E-mail** > touch > **Accounts** > in the **Accounts** screen, touch > **Add account**.

To change an email account's settings:

- Touch > **Apps** tab > **E-mail** > touch > **Accounts** > in the **Accounts** screen, touch > **Entire settings**.

To delete an email account:

- Touch > **Apps** tab > **E-mail** > touch > **Accounts** > in the **Accounts** screen, touch > **Remove account** > touch an account you want to delete > **Remove** > select **Yes**.

Working with account folders

Touch > **Apps** tab > **E-mail** > touch and select **Folders**.

Each account has an Inbox, Outbox, Sent and Drafts folder. Depending on the features supported by your account's service provider, you may have additional folders.

Composing and sending e-mail

To compose and send a message

1 While in the **E-mail** application, touch .

2 Enter an address for the message's intended recipient. As you enter text, matching addresses will be proposed from your Contacts. Separate multiple addresses using semicolon.

3 Touch the **Cc/Bcc** field to add Cc/Bcc and touch to attach files, if required.

4 Enter the text of the message.

5 Touch .

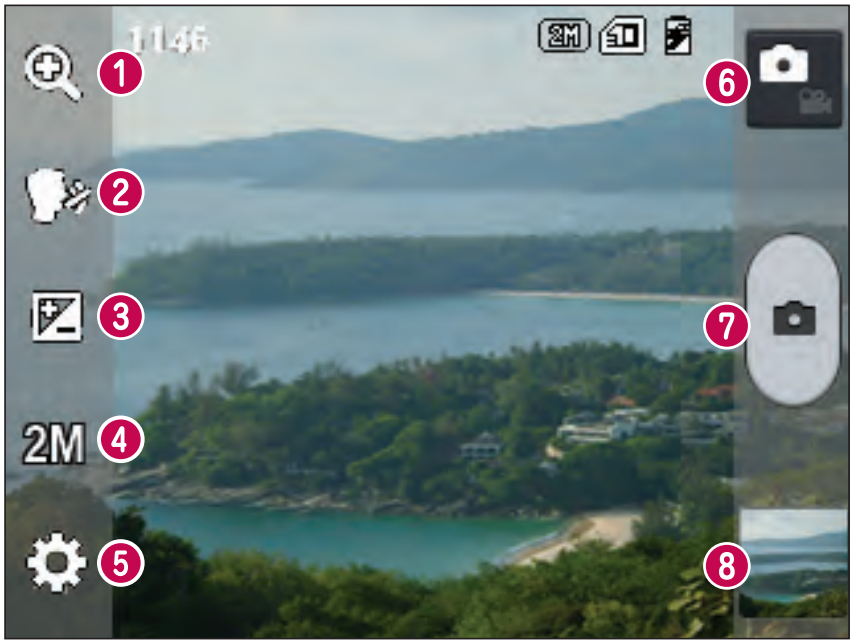
If you aren't connected to a network, for example, if you're working in airplane mode, the messages that you send will be stored in your Outbox folder until you connect to a network again. If it contains any pending messages, the Outbox will be displayed on the **Accounts** screen.

TIP! When a new e-mail arrives in your Inbox, you will be notified by a sound or vibration.

Camera

To open the Camera application, tap **Camera** on the Home screen.

Getting to know the viewfinder



1. **Zoom** – Zoom in or zoom out.
2. **Cheese shutter** – To take a photo, say one of the following words: "Cheese", "Smile","Whisky", "Kimchi" or "LG".
3. **Brightness** – Defines and controls the amount of sunlight entering the image.
4. **Camera size** – Selects photo resolution. If you choose high resolution, file size will increase, which means you will be able to store fewer photos in the memory.
5. **Settings** – Touch this icon to open the settings menu.
6. **Video mode** – Touch this icon to switch to video mode.
7. **Taking a photo**
8. **Gallery** – Touch to view the last photo you captured. This enables you to access your gallery and view saved photos while in camera mode.

NOTE: Please ensure the camera lens is clean before taking pictures.

Using the advanced settings

In the viewfinder, tap to open the advanced options. You can change the camera settings by scrolling through the list. After selecting the option, tap the **Back** key.

	Touch if you want to change the viewfinder menu.
SCENE	Finds the color and light settings for the current environment.
ISO	The ISO rating determines the sensitivity of the camera's light sensor. The higher the ISO, the more sensitive the camera. This is useful in darker conditions when you cannot use the flash.
WB	Improves color quality in various lighting conditions.
	Applies artistic effects to your pictures.
	Sets a delay after the capture button is pressed. This is ideal if you want to be in the photo.
	Activate this to use your phone's location-based services. Take pictures wherever you are and tag them with the location. If you upload tagged pictures to a blog that supports geotagging, you can see the pictures displayed on a map.

NOTE: This function is only available when the GPS function is active.

	Selects a shutter sound.
	Automatically shows you the picture you just took.
	Select storage to save images.
	Restore all camera default settings.
	Touch this whenever you want to know how a function works. This icon will provide you with a quick guide.

Camera

TIP!

- When you exit the camera, some settings return to their defaults, such as white balance, color effect, timer and scene mode. Check these before you take your next photo.
- The setting menu is superimposed over the viewfinder so, when you change photo color or quality elements, you will see a preview of the changed image behind the Settings menu.

Taking a quick photo

1 Open the **Camera** application.
2 Holding the phone horizontally, point the lens towards the subject you want to photograph.
3 Touch to capture the photo.

Once you've taken a photo

Touch to view the last photo you took.

	Tap to view the Gallery of your saved photos.
	Touch to take another photo immediately.
	Touch to send your photo to others or share it via social network services.
	Touch to delete the photo.

TIP! If you have an SNS account and have set it up on your phone, you can share your photo with your SNS community.

NOTE: Additional charges may apply when MMS are downloaded while roaming.

Touch the Menu key ☰ **to open all advanced options.**

Set image as – Touch to use the photo as a **Contact photo**, **Home screen wallpaper** or **Lock screen wallpaper**.

Move – Touch to move the photo to another place.

Copy – Touch to copy the selected photo and save it to another album.

Rename – Touch to edit the name of the selected photo.

Rotate left/right – To rotate left or right.

Crop – Crop your photo. Move your finger across the screen to select the area to be cropped.

Edit – View and edit the photo.

	Adjusts light and shade to your photo.
	Applies artistic effects to your photos.
	Improves color quality in various lighting conditions.
	Applies additional options to your photos.

Slideshow – Automatically shows you the images in the current folder one after the other.

Details – Find out more information about the contents.

Viewing your saved photos

You can access your saved photos when in camera mode. Just tap the Gallery icon and your Gallery will be displayed.

- To view more photos, scroll left or right.
- To zoom in or out, double-tap the screen or place two fingers and spread them apart (move your fingers closer together to zoom out).

Video camera

Getting to know the viewfinder

1. **Zoom** – Zoom in or zoom out.
2. **Video size** – Touch to set the size (in pixels) of the video you are recording.
3. **Brightness** – This defines and controls the amount of sunlight entering the video.
4. **Voice On/Off** – Choose **Off** to record a video without sound.
5. **Settings** – Touch this icon to open the settings menu.
6. **Camera mode** – Touch this icon to switch to camera mode.
7. **Start recording**
8. **Gallery** – Touch to view the last video you recorded. This enables you to access your gallery and view your saved videos while in video mode.

TIP! When recording a video, place two fingers on the screen and pinch to use the Zoom function.

Video camera

Using the advanced settings

Using the viewfinder, touch to open all the advanced options.

	Touch if you want to change the viewfinder menu.
	Improves color quality in various lighting conditions.
	Choose a color tone to use for your new view.
	Activate this to use your phone's location-based services.
	Auto review automatically shows you the video you just recorded.
	Select storage to save videos.
	Restore all video camera default settings.

Recording a quick video

1. Open the **Camera** application and touch the **Video mode** button.
2. The video camera viewfinder appears on the screen.
3. Hold the phone, point the lens towards the subject you wish to capture in your video.
4. Touch once to start recording.
5. A red light will appear at the top corner of the viewfinder with a timer showing the length of the video.
6. Touch on the screen to stop recording.

After recording a video

Your captured video will appear on the Gallery. Touch to view the last video you captured.

	Touch to record another video immediately.
	Touch to send your video to others or share it via social network services.
	Touch to view the Gallery of your saved videos.
	Touch to delete the video.

NOTE: Additional charges may apply when MMS are downloaded while roaming.

Watching your saved videos

1 In the viewfinder, tap .
2 Your Gallery will appear on the screen.
3 Tap a video to play it automatically.

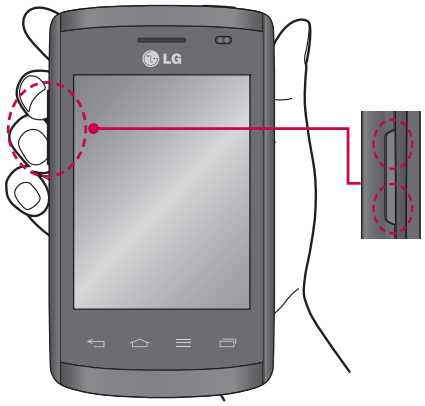
Adjusting the volume when viewing a video

To adjust the volume of a video while it is playing, use the volume keys on the left-hand side of the phone.

LG Unique Function

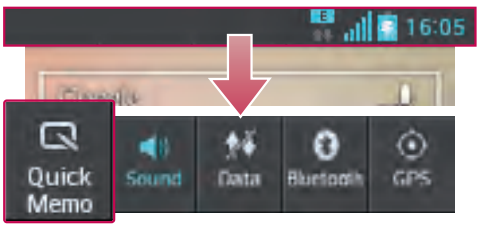
QuickMemo function

Use the **QuickMemo** function practically and efficiently; create memos during a call, with a saved picture or on the current phone screen.



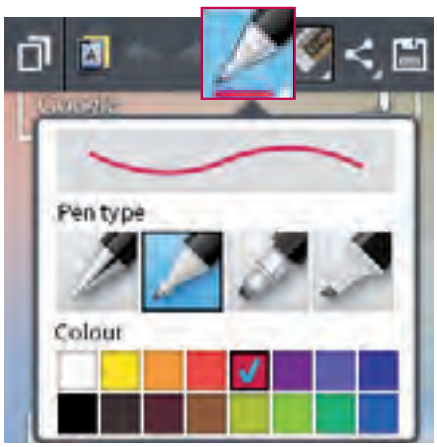
1 Enter the QuickMemo screen by pressing both the Volume up and down keys for one second on the screen you want to capture.

OR

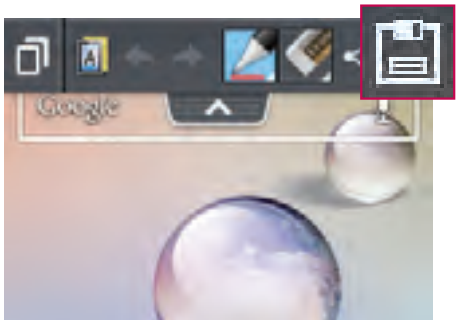


OR

Touch and slide down the status bar and touch .



2 Select the desired menu option from **Pen type**, **Color**, **Eraser** and create a memo.



3 Touch in the Edit menu to save the memo with the current screen.

NOTE: Please use a fingertip while using the QuickMemo function. Do not use your fingernail.

Using the QuickMemo options

You can easily use the QuickMenu options when using the **QuickMemo** function.

	Touch to keep the current memo on the screen and use the phone simultaneously.
	Selects whether to use the background screen or not.
	Undo or Redo.
	Selects the pen type and the color.
	Erases the memo that you created.
	Touch to send your memo to others or share it via social network services.
	Saves the memo with the current screen in the **Gallery**.

Viewing the saved QuickMemo

Touch **Gallery** and select the QuickMemo album.

LG Unique Function

LG SmartWorld

LG SmartWorld offers an assortment of exciting content - games, applications, wallpaper and ringtones - giving LG phone users the chance to enjoy richer "Mobile Life" experiences.

How to Get to LG SmartWorld from Your Phone

1 Touch > **Apps** tab > tap the icon to access **LG SmartWorld**.
2 Tap Sign in and enter ID/PW for LG SmartWorld. If you have not signed up yet, tap Register to receive your LG SmartWorld membership.
3 Download the content you want.

NOTE: What if there is no icon?

1 Using a mobile Web browser, access LG SmartWorld (www.lgworld.com) and select your country.
2 Download the LG SmartWorld App.
3 Run and install the downloaded file.
4 Access LG SmartWorld by tapping the icon.

How to use LG SmartWorld

- Participate in monthly LG SmartWorld promotions.

	Search content.
	Find content by category (e.g. Games, Education, Entertainment etc).
	List of downloaded/to-be updated content.

- Try the easy **Menu** buttons to find what you're looking for fast.

  Apps for you – Recommended content based on your previous choices.
  Settings – Set Profile and Display.
  Sign in – Set your ID and Password.
- Try other useful functions as well. (Content Detail screen)

NOTE: LG SmartWorld may not be available from all carriers or in all countries.

Multimedia

Gallery

You can store multimedia files in internal memory for easy access to all your multimedia files. Use this application to view multimedia files like pictures and videos.

1 Touch > **Apps** tab > **Gallery**.
Open a list of catalog bars that store your multimedia files.

NOTE:

- Some file formats are not supported, depending on the software installed on the device.
- Some files may not play properly, depending on how they are encoded.

Viewing pictures

Launching Gallery displays your available folders. When another application, such as Email, saves a picture, the download folder is automatically created to contain the picture. Likewise, capturing a screenshot automatically creates the Screenshots folder. Select a folder to open it.

Pictures are displayed by creation date in a folder. Select a picture to view it full screen. Scroll left or right to view the next or previous image.

Zooming in and out

Use one of the following methods to zoom in on an image:

- Double-tap anywhere to zoom in.
- Spread two fingers apart on any place to zoom in. Pinch to zoom out or double-tap to return.

Playing videos

Video files show the icon in the preview. Select a video to watch it and tap .
The **Videos** application will launch.

Editing photos

When viewing an photo, tap the **Menu** key > **Edit** to use the advanced editing options.

Deleting images

Use one of the following methods:

- In a folder, tap and select photos/Videos by ticking, and then tap on **Delete**.
- When viewing a photo/Video, tap .

Setting as wallpaper

When viewing an photo, touch the **Menu** key > **Set image as** to set the image as wallpaper or to assign it to a contact.

NOTE:

- Some file formats are not supported, depending on the device software.
- If the file size exceeds the available memory, an error can occur when you open files.

Videos

Your phone has a built-in video player that lets you play all of your favorite videos. To access the video player, touch > **Apps** tab > **Videos**.

Playing a video

1 Touch > **Apps** tab > **Videos**.

2 Select the video you want to play.

	Touch to pause video playback.
	Touch to resume video playback.
	Touch to go 10 seconds forward.
	Touch to go 10 seconds backward.
	Touch to manage the video volume.
	Touch to change the ratio of the video screen.

To change the volume while watching a video, press the up and down volume keys on the left-hand side of the phone.

Touch and hold a video in the list. The **Share**, **Delete**, **Details** options will be displayed.

Music

Your phone has a built-in music player that lets you play all your favorite tracks. To access the music player, touch > **Apps** tab > **Music**.

Add music files to your phone

Start by transferring music files to your phone:

- Transfer music using Media sync (MTP).
- Download from the wireless Web.
- Synchronize your phone to a computer.
- Receive files via Bluetooth.

Transfer music using Media sync (MTP)

1 Connect the phone to your PC using the USB cable.
2 Select the **Media sync (MTP)** option. Your phone will appear as another hard drive on your computer. Click on the drive to view it. Copy the files from your PC to the drive folder.
3 When you're finished transferring files, swipe down on the Status Bar and touch **USB connected** > **Charge only**. You may now safely unplug your device.

Playing a song

1 Touch > **Apps** tab > **Music**.
2 Touch **Songs**.
3 Select the song you want to play.

	Touch to pause playback.
	Touch to resume playback.
	Touch to skip to the next track on the album or in the playlist.
	Touch to go back to the beginning of the song. Touch twice to return to the previous song.
	Touch to find the files with YouTube.
	Touch to manage the music volume.
	Touch to set repeat mode.
	Touch to set shuffle mode.
	Touch to set the favourites.
	Touch to see the current playlist.

Multimedia

To change the volume while listening to music, press the up and down volume keys on the left-hand side of the phone.

Touch and hold any song in the list. The **Play**, **Add to playlist**, **Share**, **Set as ringtone**, **Delete**, **Details** and **Search** options will be displayed.

NOTE:

- Some file formats are not supported, depending on the device software.
- If the file size exceeds the available memory, an error can occur when you open files.

NOTE: Music file copyrights may be protected by international treaties and national copyright laws.

Therefore, it may be necessary to obtain permission or a licence to reproduce or copy music.

In some countries, national laws prohibit private copying of copyrighted material. Before downloading or copying the file, check the national laws of the relevant country concerning the use of such material.

Utilities

Setting your alarm

1 Touch > **Apps** tab > **Alarm/Clock** > .

2 After you set the alarm, your phone lets you know how much time is left before the alarm will go off.

3 Set **Repeat**, **Snooze duration**, **Vibration**, **Alarm sound**, **Alarm volume**, **Auto App starter**, **Puzzle lock** and **Memo**. Touch **Save**.

NOTE: To change alarm settings in the alarm list screen, touch the **Menu** key and select **Settings**.

Using your calculator

1 Touch > **Apps** tab > **Calculator**.

2 Touch the number keys to enter numbers.

3 For simple calculations, touch the function you want to perform (+, –, x or ÷) followed by =.

4 For more complex calculations, touch , select the **Advanced panel**, then choose sin, cos, tan, log etc.

5 To check the history, tap the icon .

Adding an event to your calendar

1 Touch > **Apps** tab > **Calendar**.

2 On the top of the screen, you can find the different view types for the Calendar (Day, Week, Month, Agenda).

3 Tap on the date for which you wish to add an event and touch .

4 Touch **Event name** and enter the event name.

5 Touch **Location** and enter the location. Check the date and enter the time you wish your event to start and finish.
6 If you wish to add a note to your event, touch **Description** and enter the details.
7 If you wish to repeat the alarm, set **REPEAT**, and set **REMINDERS**, if necessary.
8 Touch **Save** to save the event in the calendar.

Voice Recorder

Use the voice recorder to record voice memos or other audio files.

Recording a sound or voice

1 Touch > the **Apps** tab and select **Voice Recorder**.
2 Touch to begin recording.
3 Touch to end the recording.
4 Touch to listen to the recording.

NOTE: Touch to access your album. You can listen to the saved recording. The available recording time may differ from actual recording time.

Sending the voice recording

1 Once you have finished recording, you can send the audio clip by touching .
2 Choose from **Bluetooth**, **E-mail**, **Gmail**, **Memo** or **Messaging**. When you select Bluetooth, E-mail, Gmail, Memo or Messaging, the voice recording is added to the message. You may then write and send the message as you usually would.

Polaris Viewer 4

Polaris Viewer is a professional mobile office solution that lets users conveniently view various types of office documents, including Word, Excel and PowerPoint files, anywhere or anytime, using their mobile devices.

• Touch > **Apps** tab > **Polaris Viewer 4**.

Viewing files

Mobile users can now easily view a wide variety of file types, including Microsoft Office documents and Adobe PDF, right on their mobile devices. When viewing documents using Polaris Office, the objects and layout remain the same as in the original documents.

Google+

Use this application to stay connected with people via Google's social network service.

• Touch > **Apps** tab > **Google+**.

NOTE: This application may not be available depending on the region or service provider.

Voice Search

Use this application to search webpages using voice.

1 Touch > **Apps** tab > **Voice Search**.

2 Say a keyword or phrase when **Speak now** appears on the screen. Select one of the suggested keywords that appear.

NOTE: This application may not be available depending on the region or service provider.

Utilities

Downloads

Use this application to see what files have been downloaded through the applications.

- Touch > **Apps** tab > **Downloads**.

NOTE: This application may not be available depending on the region or service provider.

The Web

Browser

Use this application to browse the Internet. Browser gives you a fast, full-color world of games, music, news, sports, entertainment and much more, right on your mobile phone wherever you are and whatever you enjoy.

NOTE: Additional charges apply when connecting to these services and downloading content. Check data charges with your network provider.

1 Touch > **Apps** tab > **Browser**.

Using the Web toolbar

Touch and hold the Web toolbar and slide it upwards with your finger to open.

	Touch to go back one page.
	Touch to go forward one page, to the page you connected to after the current one. This is the opposite of what happens when you touch the **Back** key, which takes you to the previous page.
	Touch to go to the Home page.
	Touch to add a new window.
	Touch to access bookmarks.

Viewing webpages

Tap the address field, enter the web address and tap **Go**.

The Web

Opening a page

To go to new page, tap > .

To go to another webpage, tap , scroll up or down, and tap the page to select it.

Searching the Web by voice

Tap the address field, tap , speak a keyword, and then select one of the suggested keywords that appear.

NOTE: This feature may not be available depending on the region or service provider.

Bookmarks

To bookmark the current webpage, touch > **Save to bookmarks** > **OK**.

To open a bookmarked webpage, tap and select one.

History

Tap > **History** to open a webpage from the list of recently-visited webpages. To clear the history, tap **Menu** > **Clear all history**.

Chrome

Use Chrome to search for information and browse webpages.

1 Touch > **Apps** tab > **Chrome**.

NOTE: This application may not be available, depending on your region and service provider.

Viewing webpages

Tap the Address field, and then enter a web address or search criteria.

Opening a page

To go to a new page, tab > **New tab**.

To go to another webpage, tap , scroll up or down, and tap the page to select it.

Searching the Web by voice

Tap the address field, tap , speak a keyword and select one of the suggested keywords that appear.

Syncing with other devices

Sync open tabs and bookmarks to use with Chrome on another device, when you are logged in with the same Google account.

To view open tabs on other devices, tap **Menu** > **Other devices**.

Select a webpage to open.

To add bookmarks, tap .

Settings

Accessing the Settings menu

1 On the Home screen, touch > **Apps** tab > **Settings**.
or
On the Home screen, touch > **System settings**.
2 Select a setting category and select an option.

WIRELESS & NETWORKS

Here, you can manage Wi-Fi and Bluetooth. You can also set up mobile networks and switch to airplane mode.

< Wi-Fi >

Wi-Fi – Turns on Wi-Fi to connect to available Wi-Fi networks.

TIP! How to obtain the MAC address
To set up a connection in some wireless networks with MAC filters, you may need to enter the MAC address of your LG-E410B in the router.
You can find the MAC address in the following user interface: touch **Apps** tab > **Settings** > **Wi-Fi** > > **Advanced** > **MAC address**.

< Bluetooth >

Turn the Bluetooth wireless feature on or off to use Bluetooth.

< Mobile data >

Displays the data usage and set mobile data usage limit.

< Call >

Configure phone call settings such as call forwarding and other special features offered by your carrier.

Fixed dialing numbers – Turn on and compile a list of numbers that can be called from your phone. You'll need your PIN2, which is available from your operator. Only numbers within the fixed dial list can be called from your phone.

Save unknown numbers – Add unknown numbers to contacts after a call.

Voicemail – Allows you to select your carrier's voicemail service.

Call reject – Allows you to set the call reject function. Choose from **Call reject mode** or **Rejection list**.

Decline with message – When you want to reject a call, you can send a quick message using this function. This is useful if you need to reject a call during a meeting.

Connection vibration – Vibrates your phone when the other party answers the call.

Privacy keeper – Hides the caller name and number for an incoming call.

Power button ends call – Allows you to select your end call.

Call forwarding – Choose whether to divert all calls when the line is busy, when there is no answer or when you have no signal.

Call duration – View the duration of calls including **Last call**, **Dialled calls**, **Received calls** and **All calls**.

Additional settings – Allows you to change the following settings:

Caller ID: Choose whether to display your number in an outgoing call.

Call waiting: If call waiting is activated, the handset will notify you of an incoming call while you are on a call (depending on your network provider).

< More... >

Airplane mode – After switching to airplane mode, all wireless connections are disabled.

Portable Wi-Fi hotspot – Allows you to share mobile network via Wi-Fi and you can configure portable Wi-Fi hotspot settings.

Bluetooth tethering – Allows you to set your phone whether sharing the internet connection or not.

VPN – Displays the list of Virtual Private Networks (VPNs) that you've previously configured. Allows you to add different types of VPNs.

NOTE: You must set a lock screen PIN or password before you can use credential storage.

Mobile networks – Set options for data roaming, network mode & operators, access point names (APNs) etc.

DEVICE

< Sound >

Sound profile – Choose the **Sound**, either **Vibrate only** or **Silent**.

Volumes – Manage the volume of Phone ringtone, Notification sound, Touch feedback & system, Music, video, games and other media.

Quiet time – Set times to turn off all sounds except alarm and media.

Ringtone with vibration – Vibration feedback for calls and notifications.

Phone ringtone – Allows you to set your default incoming call ringtone.

Notification sound – Allows you to set your default notification ringtone.

Incoming call vibration – Allows you to set vibration type when you receive the incoming call.

Dial pad touch tones – Allows you to set the phone to play tones when using the dial pad to dial numbers.

Touch sounds – Allows you to set your phone to play a sound when you touch buttons, icons and other onscreen items that react to your touch.

Screen lock sound – Allows you to set your phone to play a sound when locking and unlocking the screen.

< Display >

Brightness – Adjust the screen brightness.

Screen timeout – Set the time for screen timeout.

Auto-rotate screen – Set to switch orientation automatically when you rotate the phone.

Font type – Change the type of display font.

Font size – Change the size of the display font.

< Home screen >

Set the Theme, **Screen swipe effect** or **Wallpaper**. Select the option to set **Scroll screens circularly** and **Home backup & restore**.

< Lock screen >

Select screen lock – Set a screen lock type to secure your phone. Opens a set of screens that guide you through drawing a screen unlock pattern. Set **None**, **Swipe**, **Pattern**, **PIN** or **Password**.

If you have enabled a Pattern lock type when you turn on your phone or wake up the screen, you will be asked to draw your unlock pattern to unlock the screen.

Wallpaper – Select the wallpaper for your lock screen from Gallery or Wallpaper gallery.

Clocks & shortcuts – Customize clocks & shortcuts on the lock screen.

Owner info – Show owner info on the lock screen.

Lock timer – Set the lock time after screen timeout.

Power button instantly locks – Set the screen lock when the power button is pressed.

< Storage >

INTERNAL STORAGE – View the internal storage usage.

SD card – View the external storage usage.

< Battery >

Manage the battery and check the power saving items.

< Apps >

View and manage your applications.

PERSONAL

< Accounts & sync >

Permits applications to synchronize data in the background, whether or not you are actively working in them. Deselecting this setting can save battery power and lower (but not eliminate) data usage.

< Location access >

Access to my location – If you select Wi-Fi & mobile network location, your phone determines your approximate location using Wi-Fi and mobile networks. When you select this option, you're asked whether you consent to allowing Google to use your location when providing these services.

GPS satellites – If you select GPS satellites, your phone determines your location to street-level accuracy.

Wi-Fi & mobile network location – Lets apps use data from sources such as Wi-Fi and mobile networks to determine your approximate location.

< Security >

Set up SIM card lock – Set up SIM card lock or change the SIM PIN.

Password typing visible – Show the last character of the hidden password as you type.

Phone administrators – View or deactivate phone administrators.

Unknown sources – Default setting to install non-play store applications.

Trusted credentials – Display trusted CA certificates.

Install from storage – Choose to install encrypted certificates.
Clear credentials – Remove all certificates.

< Language & input >

Use the **Language & input** settings to select the language for the text on your phone and to configure the on-screen keyboard, including words you've added to its dictionary.

< Backup & reset >

Change the settings for managing your settings and data.
Backup my data – Set to backup your settings and application data to the Google server.
Backup account – Set to backup your account.
Automatic restore – Set to restore your settings and application data when the applications are reinstalled on your device.
Factory data reset – Reset your settings to the factory default values and delete all your data. If you reset the phone this way, you are prompted to re-enter the same information as when you first started Android.

SYSTEM

< Date & time >

Use **Date & time** settings to set how dates will be displayed. You can also use these settings to set your own time and time zone rather than obtaining the current time from the mobile network.

< Accessibility >

Use the **Accessibility** settings to configure accessibility plug-ins you have installed on your phone.

NOTE: Requires additional plug-ins to become selectable.

< PC connection >

USB connection type – Set the desired mode: **Charge only**, **Media sync (MTP)**, **USB tethering**, **LG software** or **Camera (PTP)**.

Ask on connection – Ask in USB connection mode when connecting to a computer.

Help – Help for USB connection.

PC Suite – Checkmark this to use LG PC Suite with your Wi-Fi connection.

Help – Help for LG software.

< Developer options >

Keep in mind that turning on these developer settings may result in irregular device behaviour. The developer options are recommended only for advanced users.

< About phone >

View legal information and check your phone status and software version.

PC software (LG PC Suite)

"LG PC Suite" PC software is a program that helps you connect your device to a PC via a USB cable and Wi-Fi. Once connected, you can use the functions of your device from your PC.

With your "LG PC Suite" PC Software, You Can...

- Manage and play your media contents (music, movie, picture) on your PC.
- Send multimedia contents to your device.
- Synchronizes data (schedules, contacts, bookmarks) in your device and PC.
- Backup the applications in your device.
- Update the softwares in your device.
- Backup and restore the device data.
- Play multimedia contents of your PC from your device.
- Backup and create and edit the memos in your device.

NOTE: You can use the Help menu from the application to find out how to use your "LG PC Suite" PC software.

Installing "LG PC Suite" PC Software

"LG PC Suite" PC software can be downloaded from the webpage of LG.

1 Go to www.lg.com and select a country of your choice.

2 Go to **Support** > **MOBILE SUPPORT** > **LG Mobile Phones** > Select the Model
or
Go to **Support** > **Mobile** > Select the Model.

3 Click **PC SYNC** from **MANUALS & DOWNLOAD** and click **DOWNLOAD** to download "LG PC Suite" PC software.
Click **PC Sync** from **MANUALS & DOWNLOAD**, and click **DOWNLOAD** to download “LG PC Suite” PC software or Click **PC Sync** from **Download**, and click WINDOW PC Sync Download to download "LG PC Suite" PC software.

PC software (LG PC Suite)

System Requirements for "LG PC Suite" PC software

- OS: Windows XP (Service pack 3) 32 bit, Windows Vista, Windows 7, Windows 8
- CPU: 1 GHz or higher processors
- Memory: 512 MB or higher RAMs
- Graphic card: 1024 x 768 resolution, 32 bit color or higher
- HDD: 500 MB or more free hard disk space (More free hard disk space may be needed depending on the volume of data stored.)
- Required software: LG integrated drivers, Windows Media Player 10 or later.

NOTE: LG Integrated USB Driver
LG integrated USB driver is required to connect an LG device and PC and installed automatically when you install "LG PC Suite" PC software application.

Synchronizing your Device to a PC

Data from your device and PC can be synchronized easily with "LG PC Suite" PC software for your convenience. Contacts, schedules and bookmarks can be synchronized.

The procedure is as follows:

1. Connect your device to PC. (Use a USB cable or Wi-Fi connection.)
2. The **USB connection type** will appear, then select **LG software**.
3. After connection, run the program and select the device section from the category on the left side of the screen.
4. Click **Personal information** to select.
5. Select the checkbox of contents to synchronize and click the **Sync** button.

NOTE: To synchronize your phone with your PC, you need to install LG PC Suite onto your PC. Please refer to previous pages to install LG PC Suite.

Moving contacts from your Old Device to your New Device

1 Export your contacts as a CSV file from your old device to your PC using a PC sync program.
2 Install "LG PC Suite" on the PC first. Run the program and connect your Android mobile phone to the PC using a USB cable.
3 On the top menu, select **Device** > **Import to device** > **Import contacts**.
4 A popup window to select the file type and a file to import will appear.
5 On the popup, click the **Select a file** and Windows Explorer will appear.
6 Select the contacts file to import in Windows Explorer and click the **Open**.
7 Click **OK**.
8 A **Field mapping** popup to link the contacts in your device and new contacts data will appear.
9 If there is a conflict between the data in your PC contacts and device contacts, make the necessary selections or modifications in LG PC Suite.
10 Click **OK**.

Phone software update

LG Mobile phone software update from the Internet

For more information about using this function, please visit http://update.lgmobile.com or http://www.lg.com/common/index.jsp → select your country and language.

This feature allows you to conveniently update the firmware on your phone to a newer version from the Internet without needing to visit a service center. This feature will only be available if and when LG makes a newer firmware version available for your device.

Because the mobile phone firmware update requires the user's full attention for the duration of the update process, please make sure you check all instructions and notes that appear at each step before proceeding. Please note that removing the USB data cable during the upgrade may seriously damage your mobile phone.

NOTE: LG reserves the right to make firmware updates available only for selected models at its own discretion and does not guarantee the availability of the newer version of the firmware for all handset models.

LG Mobile Phone software update via Over-the-Air (OTA)

This feature allows you to conveniently update your phone's software to a newer version via OTA, without connecting using a USB data cable. This feature will only be available if and when LG makes a newer firmware version available for your device.

You should first check the software version on your mobile phone: **Settings** > **About phone** > **Software update** > **Check now for update**.

NOTE: Your personal data from internal phone storage—including information about your Google account and any other accounts, your system/application data and settings, any downloaded applications and your DRM licence—might be lost in the process of updating your phone's software. Therefore, LG recommends that you backup your personal data before updating your phone's software. LG does not take responsibility for any loss of personal data.

NOTE: This feature depends on your network service provider, region and country.

About this user guide

About this user guide

- Before using your device, please carefully read this manual. This will ensure that you use your phone safely and correctly.
- Some of the images and screenshots provided in this guide may appear differently on your phone.
- Your content may differ from the final product, or from software supplied by service providers or carriers, This content may be subject to change without prior notice. For the latest version of this manual, please visit the LG website at www.lg.com.
- Your phone's applications and their functions may vary by country, region or hardware specifications. LG cannot be held liable for any performance issues resulting from the use of applications developed by providers other than LG.
- LG cannot be held liable for performance or incompatibility issues resulting from registry settings being edited or operating system software being modified. Any attempt to customize your operating system may cause the device or its applications to not work as they should.
- Software, audio, wallpaper, images, and other media supplied with your device are licensed for limited use. If you extract and use these materials for commercial or other, you may be infringing copyright laws. As a user, you are fully are entirely responsible for the illegal use of media.
- Additional charges may be applied for data services, such as messaging, uploading and downloading, auto-syncing or using location services. To avoid additional charges, select a data plan to is suitable for your needs. Contact your service provider.

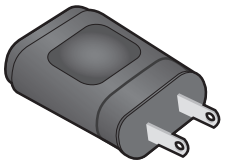
Trademarks

- LG and the LG logo are registered trademarks of LG Electronics.
- All other trademarks and copyrights are the property of their respective owners.

Accessories

These accessories are available for use with your phone. **(Items described below may be optional.)**

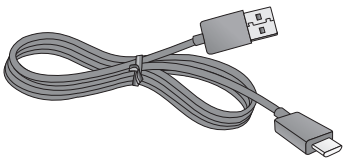
Travel adaptor



Battery

Quick Start Guide

Data cable



NOTE:

- Always use genuine LG accessories. Failure to do this may invalidate your warranty.
- Accessories may vary in different regions.

Troubleshooting

This chapter lists some problems you might encounter when using your phone. Some problems require you to call your service provider, but most are easy to fix yourself.

Message	Possible causes	Possible corrective measures
SIM error	There is no SIM card in the phone or it is inserted incorrectly.	Make sure that the SIM card is correctly inserted.
No network connection/ Dropped network	Signal is weak or you are outside the carrier network.	Move toward a window or into an open area. Check the network operator coverage map.
	Operator applied new services.	Check whether the SIM card is more than 6~12 months old. If so, change your SIM at your network provider's nearest branch. Contact your service provider.
Codes do not match	To change a security code, you will need to confirm the new code by re-entering it.	If you forget the code, contact your service provider.
	The two codes you have entered do not match.	
No applications can be set	Not supported by service provider or registration required.	Contact your service provider.

Message	Possible causes	Possible corrective measures
Calls not available	Dialling error	New network not authorized.
	New SIM card inserted.	Check for new restrictions.
	Pre-paid charge limit reached.	Contact service provider or reset limit with PIN2.
Phone cannot be switched on	On/Off key pressed too briefly.	Press the On/Off key for at least two seconds.
	Battery is not charged.	Charge battery. Check the charging indicator on the display.
Charging error	Battery is not charged.	Charge battery.
	Outside temperature is too hot or cold.	Make sure phone is charging at a normal temperature.
	Contact problem	Check the charger and connection to the phone.
	No voltage	Plug the charger into a different socket.
	Charger defective	Replace the charger.
	Wrong charger	Use only original LG accessories.
Number not allowed	The Fixed dialling number function is on.	Check the Settings menu and turn the function off.

Troubleshooting

Message	Possible causes	Possible corrective measures
Impossible to receive / send SMS & photos	Memory full	Delete some messages from your phone.
Files do not open	Unsupported file format	Check the supported file.
The screen does not turn on when I receive a call.	Proximity sensor problem	If you use a protection tape or case, make sure it has not covered the area around the proximity sensor. Make sure that the area around the proximity sensor is clean.
No sound	Vibration mode	Check the settings status in the sound menu to make sure you are not in vibration or silent mode.
Hangs up or freezes	Intermittent software problem	Try to perform a software update via the website.

FAQ

Please check to see if any problems you have encountered with your phone are described in this section before taking the phone for service or calling a service representative.

Category Sub-Category	**Question**	**Answer**
BT Bluetooth Devices	What are the functions available via Bluetooth?	You can connect a Bluetooth audio device such as a Stereo/Mono headset or Car Kit to share pictures, videos, contacts, etc. via Gallery/ Contacts menu. Also, when the FTP server is connected to a compatible device, you can share content stored on the storage media.
BT Bluetooth Headset	If my Bluetooth headset is connected, can I listen to my music through my 3.5 mm wired headphones?	When a Bluetooth headset is connected, all system sounds are played over the headset. As a result, you will not be able to listen to music through your wired headphones.
Data Contacts Backup	How can I backup Contacts?	The Contacts data can be synchronized between your phone and Gmail™.
Data Synchronization	Is it possible to set up one-way sync with Gmail?	Only two-way synchronization is available.
Data Synchronization	Is it possible to synchronize all the email folders?	The Inbox is automatically synchronized. You can view other folders by touching the **Menu key** and touching **Folders** to choose a folder.

FAQ

Category Sub-Category	**Question**	**Answer**
Google™ Service Gmail Log-In	Do I have to log into Gmail whenever I want to access Gmail?	Once you have logged into Gmail, not need to log into Gmail again.
Google™ Service Google Account	Is it possible to filter emails?	No, email filtering is not supported via the phone.
Phone Function Email	What happens when I execute another application while writing an email?	Your email will automatically be saved as a draft.
Phone Function Ringtone	Is there a file size limitation for when I want to use an .MP3 file as a ring tone?	There is no file size limitation.
Phone Function Message Time	My phone does not display the time of receipt for messages older than 24 hrs. How can I change this?	You will only be able to see the times for messages received the same day.
Phone Function microSD Card	What is the maximum supported size for a memory card?	32 GB memory cards are compatible.

Category Sub-Category	**Question**	**Answer**
Phone Function Navigation	Is it possible to install another navigation application on my phone?	Any application that is available at Android Market™ and is compatible with the hardware can be installed and used.
Phone Function Synchronisation	Is it possible to synchronize my contacts from all my email accounts?	Only Gmail and MS Exchange server (company email server) contacts can be synchronized.
Phone Function Wait and Pause	Is it possible to save a contact with Wait and Pause in the numbers?	If you transferred a contact with the W & P functions saved into the number, you will not be able to use those features. You will need to re-save each number. How to save with Wait and Pause: 1. From the Home screen, touch . 2. Dial the number, then touch the **Menu key** . 3. Touch **Add 2-sec pause** or **Add wait**.
Phone Function Security	What are the phone's security functions?	You are able to set the phone to require that an Unlock Pattern be entered before the phone can be accessed or used.

FAQ

Category Sub-Category	Question	Answer
Phone Function Unlock Pattern	How do I create the Unlock Pattern?	1. From the Home screen, touch the **Menu key** ☰. 2. Touch **Lock screen settings**. 3. Touch **Select screen lock** > **Pattern**. The first time you do this, a short tutorial about creating an Unlock Pattern will appear. 4. Set up by drawing your pattern once, and once again for confirmation. **Precautions to take when using the pattern lock.** It is very important to remember the unlock pattern you set. You will not be able to access your phone if you use an incorrect pattern five times. You have five chances to enter your unlock pattern, PIN or password. If you have used all 5 opportunities, you can try again after 30 seconds. (Or, if you preset the backup PIN, you can use the backup PIN code to unlock the pattern)

Category Sub-Category	Question	Answer
Phone Function Unlock Pattern	What should I do if I forget the unlock pattern and I didn't create my Google account on the phone?	**If you have forgotten your pattern:** If you logged into your Google account on the phone but failed to enter the correct pattern 5 times, touch the forgot pattern button. You are then required to log in with your Google account to unlock your phone. If you have not created a Google account on the phone or you have forgotten it, you will have to perform a hard reset. **Caution:** If you perform a factory reset, all user applications and user data will be deleted. Please remember to backup any important data before performing a factory reset. How to perform a factory reset: 1. Turn the power off. 2. Press and hold the **Power/Lock key** + **Volume Down key** + **Home key**. 3.When the LG Logo appears on the screen, release all keys. Do not operate your phone for at least one minute, while the hard reset is performed. You will then be able to switch your phone back on.

FAQ

Category Sub-Category	**Question**	**Answer**
Phone Function Memory	Will I know when my memory is full?	Yes, you will receive a notification.
Phone Function Language Support	Is it possible to change my phone's language?	The phone has multilingual capabilities. To change the language: 1. From the Home screen, touch the **Menu key** and touch **System settings**. 2. Touch **Language & input** > **Select language**. 3. Touch the desired language.
Phone Function VPN	How do I set up a VPN?	VPN access configuration is different for each company. To configure VPN access from your phone, you must obtain the details from your company's network administrator.
Phone Function Screen time out	My screen turns off after only 15 seconds. How can I change the amount of time for the backlight to turn off?	1. From the Home screen, touch the **Menu key** . 2. Touch **System settings** > **Display**. 3. Under Display settings, touch S**creen timeout**. 4. Touch the preferred screen backlight timeout time.

Category Sub-Category	Question	Answer
Phone Function Wi-Fi & 3G	When Wi-Fi and 3G are both available, which service will my phone use?	When using data, your phone may default to the Wi-Fi connection (if Wi-Fi connectivity on your phone is set to On). However, there will be no notification when your phone switches from one to the other. To know which data connection is being used, view the 3G or Wi-Fi icon at the top of your screen.
Phone Function Home screen	Is it possible to remove an application from the Home screen?	Yes. Just touch and hold the icon until icon appears at the top and center of the screen. Then, without lifting your finger, drag the icon to the trash can.
Phone Function Application	I downloaded an application and it causes a lot of errors. How do I remove it?	1. From the Home screen, touch the **Menu key** . 2. Touch **System settings** > **Apps** > **DOWNLOADED**. 3. Touch the application, then touch **Uninstall**.
Phone Function Charger	Is it possible to charge my phone using a USB data cable without installing the necessary USB driver?	Yes, the phone will be charged by the USB cable regardless of whether the necessary drivers are installed or not.

FAQ

Category Sub-Category	**Question**	**Answer**
Phone Function Alarm	Can I use music files for my alarm?	Yes. You can use music file for your alarm. 1. **Alarms** > > **Alarm sound** >**Music**.
Phone Function Alarm	Will my alarm be audible or will it go off if the phone is turned off?	No, this is not supported.
Phone Function Alarm	If my ringer volume is set to Off or Vibrate, will I hear my alarm?	Your alarm is programmed to be audible even in these scenarios.
Recovery Solution Hard Reset (Factory Reset)	How can I perform a factory reset if I can't access the phone's setting menu?	If your phone does not restore to its original condition, use a hard reset (factory reset) to initialize it.

LIMITED WARRANTY STATEMENT

1. WHAT THIS WARRANTY COVERS:

LG offers you a limited warranty that the enclosed subscriber unit and its enclosed accessories will be free from defects in material and workmanship, according to the following terms and conditions:

1. The limited warranty for the product extends for ONE (1) year beginning on the date of purchase of the product by the original end user.
2. The limited warranty extends only to the original end user of the product and is not assignable or transferable to any subsequent purchaser/end user.
3. This warranty is good only to the original end user of the product during the warranty period as long as it is in Canada.
4. Upon request from LG, the consumer must provide information to reasonably prove the date of purchase.
5. During the applicable warranty period, LG will repair or replace at LG's sole option, without charge to the original end user, any defective component part of the phone or accessory.
6. LG may use rebuilt, reconditioned or new parts or components when repairing any product or replace a product with a rebuilt, reconditioned or new product.

2. WHAT THIS WARRANTY DOES NOT COVER:

1. Defects or damages resulting from use of the product in other than its normal and customary manner.
2. Defects or damages from abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation or other acts which are not the fault of LG, including damage caused by spills of food or liquids.
3. Breakage or damage to antennas unless caused directly by defects in material or workmanship.
4. The fact that the Customer Service Department at LG was not notified by the original end user of the alleged defect or malfunction of the product, during the warranty period.
5. Products which have had their serial numbers removed or made illegible.
6. Damage resulting from use of non-LG approved accessories.

7. All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal customer use.
8. Products serviced by non-authorized persons or companies.

Notes:

1. This limited warranty supersedes all other warranties, expressed or implied either in fact or by operations of law, statutory or otherwise, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose.
2. Shipping damage is the sole responsibility of the shipping company.

3. EXCLUSION OF LIABILITY:

No other express warranty is applicable to this product.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.
LG ELECTRONICS CANADA, INC. SHALL NOT BE LIABLE FOR THE LOSS OF THE USE OF THE PRODUCT, INCONVENIENCE, LOSS OR ANY OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OF, OR INABILITY TO USE, THIS PRODUCT OR FOR ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTY OF MARKETABILITY APPLICABLE TO THIS PRODUCT.

4. HOW TO GET WARRANTY SERVICE:

To obtain warranty service, please call the following telephone number from anywhere in Canada:

LG Electronics Canada, Inc.

Tel. 1-888-LG-Canada (1-888-542-2623)
http://www.lg.com/ca_en (see links to "Support > Mobile phone support")

LG Electronics Canada Inc.
North York, Ontario